

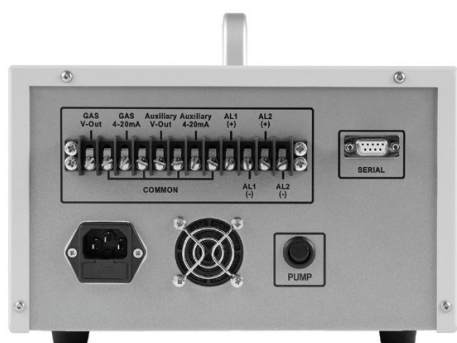


# Rapidox 1100E Oxygen Analyser

The Rapidox 1100E is a cost-effective oxygen (O<sub>2</sub>) analyser fitted with an electrochemical oxygen gas sensor. This analyser is specifically designed to measure high percent measurements in the 0-100% oxygen range.



Electrochemical sensors are ideal for high oxygen applications where VOCs flammable gases, CO, H<sub>2</sub> or He are present in the gas sample. The Rapidox 1100E is ideal for applications such as manufacturing and glove boxes. Configuration of the analyser allows for the instrument to be panel mounted with the gas fittings at either the front or rear.



Other variations of the analyser include a three-channel multiplex version, which allows for three gas streams to be sampled from separate points. Gases can be analysed in sequence or at intervals set from the front keypad controls or software.

Please contact Cambridge Sensotec for further information or to discuss your requirements.

Though highly configurable to suit individual customer requirements, the Rapidox 1100 range possesses a number of standard features to enhance functionality.

- Low maintenance electrochemical sensor
- Fully configurable software
- Fast and accurate response
- Simple calibration procedure
- Fully programmable outputs
- Data logging
- Pump or ejector option
- Two programmable alarms
- Operates on worldwide mains voltage
- Password protection

## Applications



Chemicals



Combustion



Emissions



Food



Gas



Glove Boxes



Inert Gas Blanketing



Manufacturing



Medical



Metal Heat Treatment



PCB Production



Research & Development

## Accessories



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4



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1 Calibration Kit

2 Multiplex Sampling System

3 Gas Recovery Bag

4 Thermal Printer

5 Calibration Service

6 Gas Filters

## Specification

O <sub>2</sub> Sensor Range	0-100%
O <sub>2</sub> Sensor Accuracy & Response	±1% of full scale. Approximately 20 sec for a 90% response
O <sub>2</sub> Sensor Life Expectancy	3-5 years
Ambient Operating Pressure	800-1200mbar absolute
Ambient Operating Temperature	5°C to 35°C
Max Sample. Gas Pressure	500-1500mbar absolute
Max Sample. Gas Temperature	50°C
Warm-up Time	3-5 minutes as standard
Voltage	90-260 VAC, 50/60Hz
Voltage Outputs	0-10V, user programmable
Current Outputs	4-20mA linear, user programmable
Digital Outputs	RS232 (RS485 option available) Data streamed on demand. Modbus RTU/Ethernet
Calibration	Requires 2 user selectable gas compositions
Sample Connections	4mm ID/6mm OD nipple type. Rectus or Swagelok. Front or rear positioning
Display	20 x 4 character OLED
Analyser Dimensions	Bench: 150mm(H) x 253mm(W) x 272mm(D), Panel: 4U177mm(H) x 300mm(W)
Weight	3.5kg (4kg with bezel)
Pump Option	Main type diaphragm pump. Variable speed 0-1.2 litres per minute
Ejector Option	Vacuum ejector fitted, running off inlet pressure
Alarms	Relay circuits, user programmable